

(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property
Organization
International Bureau(43) International Publication Date
15 January 2004 (15.01.2004)

PCT

(10) International Publication Number
WO 2004/006570 A1(51) International Patent Classification⁷: H04N 5/57,
H05B 37/02(21) International Application Number:
PCT/IB2003/002875

(22) International Filing Date: 23 June 2003 (23.06.2003)

(25) Filing Language: English

(26) Publication Language: English

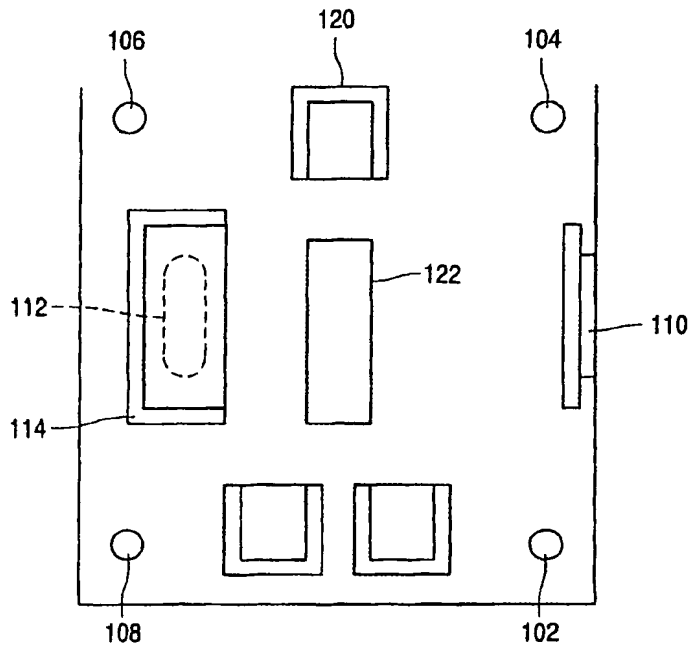
(30) Priority Data:
02077688.6 4 July 2002 (04.07.2002) EP(71) Applicant (for all designated States except US): KONIN-
KLIJKE PHILIPS ELECTRONICS N.V. [NL/NL];
Groenewoudseweg 1, NL-5621 BA Eindhoven (NL).

(72) Inventors; and

(75) Inventors/Applicants (for US only): DIEDERIKS, Elmo,
M., A. [NL/NL]; c/o Prof. Holstlaan 6, NL-5656 AA Eind-
hoven (NL). MEINDERS, Erwin, R. [NL/NL]; c/o Prof.
Holstlaan 6, NL-5656 AA Eindhoven (NL). VAN LIER,Edwin [NL/NL]; c/o Prof. Holstlaan 6, NL-5656 AA Eind-
hoven (NL). PETERS, Ralph, H. [NL/NL]; c/o Prof. Hol-
stlaan 6, NL-5656 AA Eindhoven (NL). EGGEN, Jose-
phus, H. [NL/NL]; c/o Prof. Holstlaan 6, NL-5656 AA
Eindhoven (NL). VAN KUIJK, Jasper, I. [NL/NL]; c/o
Prof. Holstlaan 6, NL-5656 AA Eindhoven (NL).(74) Agent: GROENENDAAL, Antonius, W., M.; Philips
Intellectual Property & Standards, Prof. Holstlaan 6,
NL-5656 AA Eindhoven (NL).(81) Designated States (national): AE, AG, AI, AM, AT, AU,
AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU,
CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH,
GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC,
LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW,
MX, MZ, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC,
SD, SE, SG, SK, SI, TJ, TM, TN, TR, TT, TZ, UA, UG,
US, UZ, VC, VN, YU, ZA, ZM, ZW.(84) Designated States (regional): ARIPO patent (GH, GM,
KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW),
Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM),
European patent (AT, BE, BG, CH, CY, CZ, DE, DK, EE,
ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO,

[Continued on next page]

(54) Title: METHOD OF AND SYSTEM FOR CONTROLLING AN AMBIENT LIGHT AND LIGHTING UNIT

(57) Abstract: The invention
describes relates to the on-line
analysis of a video signal that is
presented to the user, typically on a
screen (110). This analysis results
in an adaptation of the lighting. One
or more characteristics of the signal
are filtered out and translated into
lighting settings of one or more light
elements (102, 104, 106, 108), which
in turn can contain one or more light
sources.

WO 2004/006570 A1



SE, SI, SK, TR), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

Declaration under Rule 4.17:

- as to applicant's entitlement to apply for and be granted a patent (Rule 4.17(ii)) for the following designations AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, UZ, VC, VN, YU, ZA, ZM, ZW, ARIPO patent (GH, GM, KE, LS, MW, MZ, SD, SI, SZ, TZ, UG, ZM, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU,

TJ, TM), European patent (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG)

Published:

- with international search report
— before the expiration of the time limit for amending the claims and to be republished in the event of receipt of amendments

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

INTERNATIONAL SEARCH REPORT

International Application No.

PCT/IB 03/075

A. CLASSIFICATION OF SUBJECT MATTER
IPC 7 H04N5/57 H05B37/02

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 H04N H05B

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data

C. DOCUMENTS CONSIDERED TO BE RELEVANT

| Category * | Citation of document, with indication, where appropriate, of the relevant passages | Relevant to claim No. |
|------------|--|-----------------------|
| X | ADAMSON K ET AL: "True multimedia presentations: A case study" DISPLAYS, ELSEVIER SCIENCE PUBLISHERS BV., BARKING, GB, vol. 17, no. 3-4, 1 May 1997 (1997-05-01), pages 131-141, XP004081498 ISSN: 0141-9382 page 132, left-hand column, paragraph 3 -page 132, right-hand column, paragraph 3.1.1 page 134, right-hand column, line 1 -page 134, right-hand column, line 9 --- | 1-11 |
| X | US 5 061 997 A (REA MARK S ET AL) 29 October 1991 (1991-10-29) | 1,8 |
| A | column 2, line 4 -column 2, line 30 column 10, line 32 -column 11, line 40 --- -/-- | 2-7,9-11 |

☒ Further documents are listed in the continuation of box C.

☒ Patent family members are listed in annex.

* Special categories of cited documents:

A document defining the general state of the art which is not considered to be of particular relevance

E earlier document but published on or after the international filing date

L document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)

O document referring to an oral disclosure, use, exhibition or other means

P document published prior to the international filing date but later than the priority date claimed

T later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

X document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

Y document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.

Z document member of the same patent family

Date of the actual completion of the international search

3 November 2003

Date of mailing of the international search report

10/11/2003

Name and mailing address of the ISA

European Patent Office, P.B. 5818 Patentlaan 2
NL - 2280 HV Rijswijk
Tel. (+31-70) 340-2040, Tx. 31 651 epo nl,
Fax: (+31-70) 340-3016

Authorized officer

Schoeyer, M

INTERNATIONAL SEARCH REPORT

International Application No.

PCT/JP 03/075

C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

| Category * | Citation of document, with indication, where appropriate, of the relevant passages | Relevant to claim No. |
|------------|---|-----------------------|
| P,X | WO 02 068777 A (WORLDSTAGE LLC) 6 September 2002 (2002-09-06) abstract page 4, line 18 -page 7, line 9 page 7, line 25 -page 8, line 8 --- | 1-11 |
| P,X | US 2002/154773 A1 (LONG JEFF ET AL) 24 October 2002 (2002-10-24) abstract paragraph '0011! - paragraph '0013! paragraph '0050! ----- | 1-11 |

INTERNATIONAL SEARCH REPORT

International Application No

PCT/JP 03/0175

| Patent document cited in search report | | Publication date | Patent family member(s) | Publication date |
|---|----|---------------------|----------------------------|---------------------|
| US 5061997 | A | 29-10-1991 | NONE | |
| WO 02068777 | A | 06-09-2002 | WO 02068777 A1 | 06-09-2002 |
| | | | US 2002154773 A1 | 24-10-2002 |
| | | | US 2002135739 A1 | 26-09-2002 |
| US 2002154773 | A1 | 24-10-2002 | WO 02068777 A1 | 06-09-2002 |
| | | | US 2002135739 A1 | 26-09-2002 |